## **ABSTRACT**

The present invention relates to a method and a measurement setup for determination of optical properties of a device under test in both directions in transmission and in reflection, comprising: a coding device distinguishable coding at least two parts of a provided measurement signal, feeding elements feeding the at least two parts into the DUT from both directions, receiving elements receiving the signals from both directions transmitted and reflected by the DUT, identifying at least the coded parts in the signals transmitted and reflected by the DUT, and analyzing at least the identified parts to determine at least one optical property of the DUT from both directions in transmission and in reflection.

[Fig. 1 for publication]

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